



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950

June 9, 2008

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Mr. David Brockman  
Richland Operations Office  
United States Department of Energy  
P.O. Box 550, MSIN: A7-50  
Richland, Washington 99352

Ms. Shirley Olinger  
Office of River Protection  
United States Department of Energy  
P.O. Box 450, MSIN: H6-60  
Richland, Washington 99352

Re: United States Department of Energy Calendar Year (CY) 2007 Land Disposal Restrictions (LDR) Summary Report, Submitted According to M-26-01R

Dear Ms. Olinger and Mr. Brockman:

This letter provides the response to your letter and attached CY 2007 LDR Summary Report, submitted April 30, 2008, to Mr. Nicholas Ceto of the United States Environmental Protection Agency (EPA), and Ms. Jane Hedges of the Department of Ecology.

According to the *Hanford Facility Agreement and Consent Order, Milestone M-26-01R*, this report was submitted as a primary document, requiring the lead agency to respond within 45 days. This letter and the enclosed comment page constitute Ecology's response.

If you would like to discuss our comments on the CY 2007 LDR Summary Report, please contact Eric Van Mason at 509-372-7929.

Sincerely,

Deborah Singleton  
Waste Management Project Manager  
Nuclear Waste Program

evm/pll  
Enclosure

H-0-13

cc: See next page

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Ms. Olinger and Mr. Brockman  
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cc w/enc:

Greg Sinton, USDOE  
Woody Russell, USDOE  
Tony Miskho, FH  
Administrative Record: LDR  
Environmental Portal

*M-026-01R*

cc w/o enc:

Stuart Harris, CTUIR  
Gabriel Bohnee, NPT  
Russell Jim, YN  
Susan Leckband, HAB  
Ken Niles, ODOE

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|------------------------------|-------------|------------|
| <b>REVIEW COMMENT RECORD</b> | Date        | Review No. |
|                              | Project No. | Page       |

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|  |                                 |          |                                |                |
|--|---------------------------------|----------|--------------------------------|----------------|
| Document Number(s)/Title(s)<br><b>Calendar Year 2007 Hanford<br/>Site Mixed Waste Land<br/>Disposal Restrictions Summary<br/>Report (DOE/RL-2008-18)</b> | Program/Project/Building Number | Reviewer | Organization/Group<br><br>WDOE | Location/Phone |
|--|---------------------------------|----------|--------------------------------|----------------|

| Item | Page #     | Comment (s) (Provide technical justification for the comment and detailed recommendation of the action required to correct/resolve the discrepancy/ problem indicated.)  | Hold Point | Disposition (Provide justification if NOT accepted.) | Status |
|------|------------|--|------------|--|--------|
| 1    | 4-2        | On Table 4-1, the DST and SST treatment periods are noted as 2019 to 2052. These dates are not consistent with current TPA milestone requirements. The treatment periods should be revised to be consistent with current TPA requirements.   |            |  |        |
| 2    | 5-2        | Describe the basis for the 221-T tank system inventory of 7.43 m <sup>3</sup> . Given the known impacts of evaporation on the tanks, describe how accurate estimates of the tank system inventory are being measured or calculated and what the effects of continued evaporation will have on the tanks treatability group classification. |            |  |        |
| 3    | 1-22       | Change "270-U" to "270-W" in column H of the UO3 facility row.   |            |  |        |
| 4    | 1-23, 1-24 | Add an Integrating Factor to column H for the <i>T Plant Canyon, RR Tunnel, Head-end</i> and <i>T Plant Canyon Cell 11-L</i> to reflect that schedules for processing and operational activities on the canyon floor will impact the schedule for disposition of this Potential Mixed Waste.   |            |  |        |